

## Defining Access Privileges for an SNMP Group

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Use the following configuration statements to define access privileges for SNMP groups:

```
snmp v3 vacm access group group-name ...
snmp v3 vacm access group group-name default-context-prefix security-model
(any|v1|v2c|usm) ...
snmp v3 vacm access group group-name default-context-prefix security-model
(any|v1|v2c|usm) security-level (authentication|none|privacy) {
    read-view read-view;
    write-view write-view;
}
```

To configure MIB views with a group for the VACM:

1. From configuration mode, access the configuration statement that configures the VACM group.

```
[edit]
user@host# edit snmp v3 vacm access group group-name
```

The group name is the name for a collection of SNMP security names that belong to the same SNMP access policy.

2. Specify the security model for access privileges.

```
[edit snmp v3 vacm access group group-name]
user@host# set default-context-prefix security-model (any|v1|v2c|usm)
```

To specify any security model:

```
user@host# set default-context-prefix security-model any
```

To specify the SNMPv1 security model:

```
user@host# set default-context-prefix security-model v1
```

To specify the SNMPv2c security model:

```
user@host# set default-context-prefix security-model v2c
```

To specify the SNMPv3 user-based security model (USM):

```
user@host# set default-context-prefix security-model usm
```

3. Specify the security level for access privileges.

```
[edit snmp v3 vacm access group group-name]
user@host# set default-context-prefix security-model (any|v1|v2c|usm)
security-level (authentication|none|privacy)
```

To specify a security level that provides authentication but no encryption:

```
user@host# set default-context-prefix security-model (any|v1|v2c|usm)
security-level authentication
```

To specify a security level that provides no authentication and no encryption:

```
user@host# set default-context-prefix security-model (any|v1|v2c|usm)
security-level none
```

For SNMPv1 or SNMPv2c access, specify **none** as the security level.

To specify a security level that provides authentication and encryption:

```
user@host# set default-context-prefix security-model (any|v1|v2c|usm)
security-level privacy
```

4. (Optional) Specify the view used for SNMP read access. You must specify the **read-view** option or the **write-view** option.

```
[edit snmp v3 vacm access group group-name default-context-prefix security-model
  (any|v1|v2c|usm) security-level (authentication|none|privacy)]
user@host# set read-view read-view
```

5. (Optional) Specify the view used for SNMP write access. You must specify the **read-view** option or the **write-view** option.

```
[edit snmp v3 vacm access group group-name default-context-prefix security-model
  (any|v1|v2c|usm) security-level (authentication|none|privacy)]
user@host# set write-view write-view
```

- Related Topics**
- Configuring Access Control for Communities
  - Configuring Access Control for the VACM
  - Defining Access Privileges for an SNMP Group (C-Web Interface)